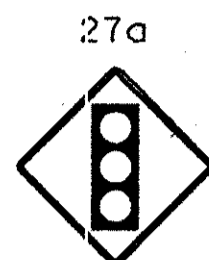


MD 2/4 IS ASSUMED TO RUN IN AN NORTH-SOUTH DIRECTION

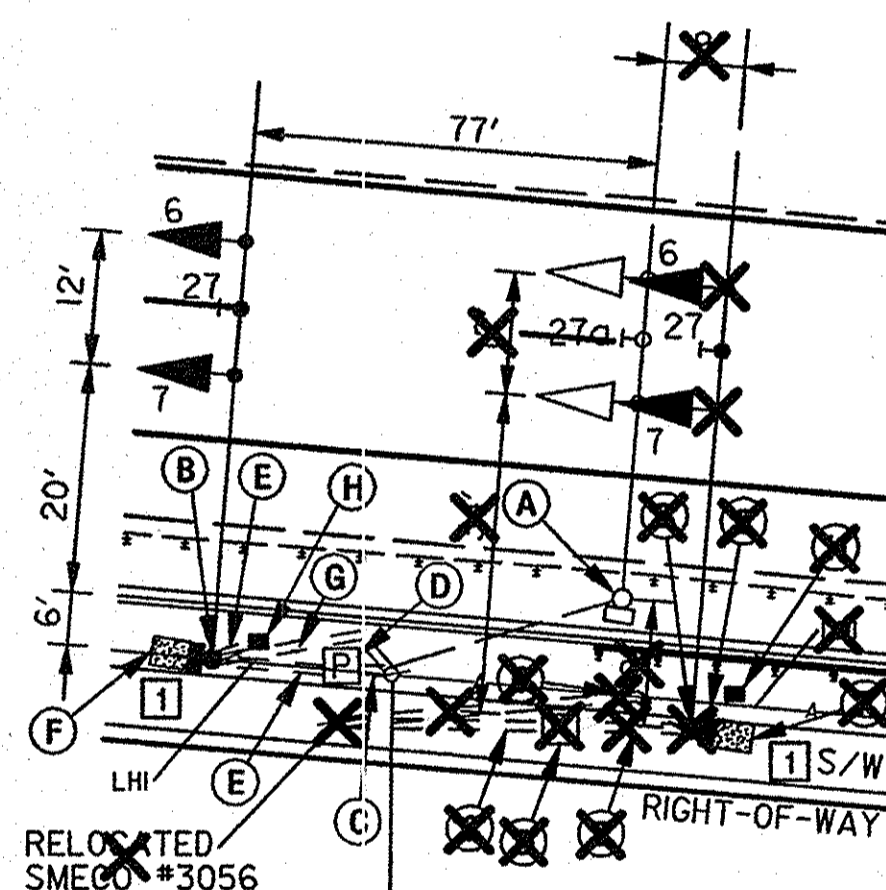
EXISTING SIGNS TO REMOVE



TO SUNDERLAND

MD 2-4

EXISTING SIGN 28 IS LOCATED WITHIN THIS BREAK 510' NORTH OF THE STOP LINE.



RELOCATED SMECO #3056  
EXISTING SMECO #3056

#### GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD PLATES FOR TRAFFIC CONTROL.
3. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
4. WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
5. THE CONTRACTOR SHALL VERIFY THE PROPOSED POLE LOCATION PRIOR TO INSTALLATION.
6. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
7. ALL GEOMETRIC MODIFICATIONS WILL BE CONSTRUCTED BY OTHERS.
8. THE CONTRACTOR SHALL REMOVE ALL ABANDONED ELECTRICAL CABLE.

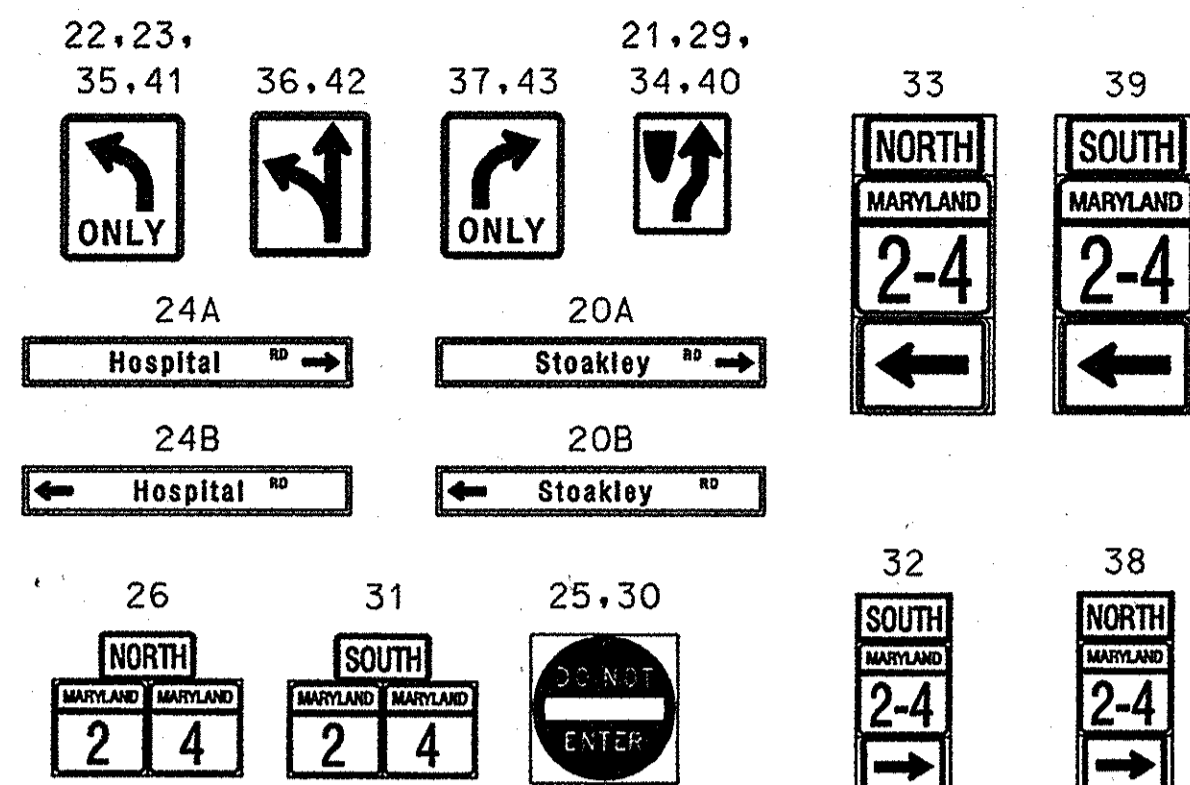
#### UTILITY LEGEND

SD	SD	STORM DRAIN
G	G	GAS MAIN
W	W	WATER MAIN
S	S	SEWER MAIN
E	E	ELECTRIC CABLES
A	A	AERIAL CABLES
T	T	TELEPHONE CABLES
F	F	FIBER-OPTIC

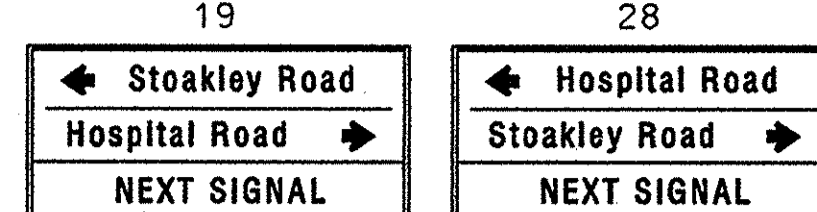
LENHART TRAFFIC CONSULTING  
TRAFFIC ENGINEERING & TRANSPORTATION PLANNING

331 Redwood Grove Court Millersville, Maryland 21108  
Tel: (410) 987-3888 Fax: (443) 782-2288

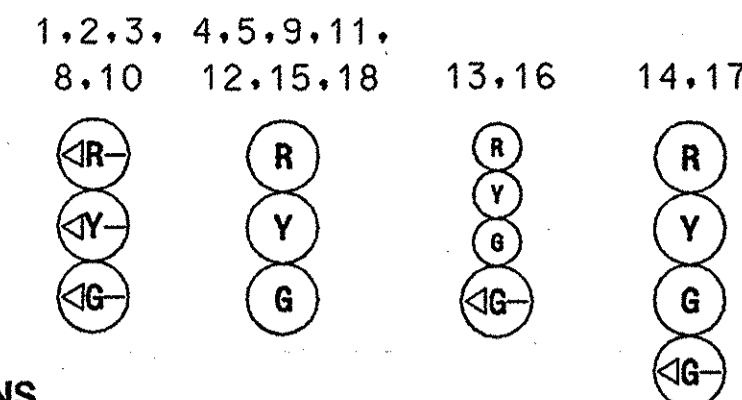
#### EXISTING SIGNS TO REMAIN



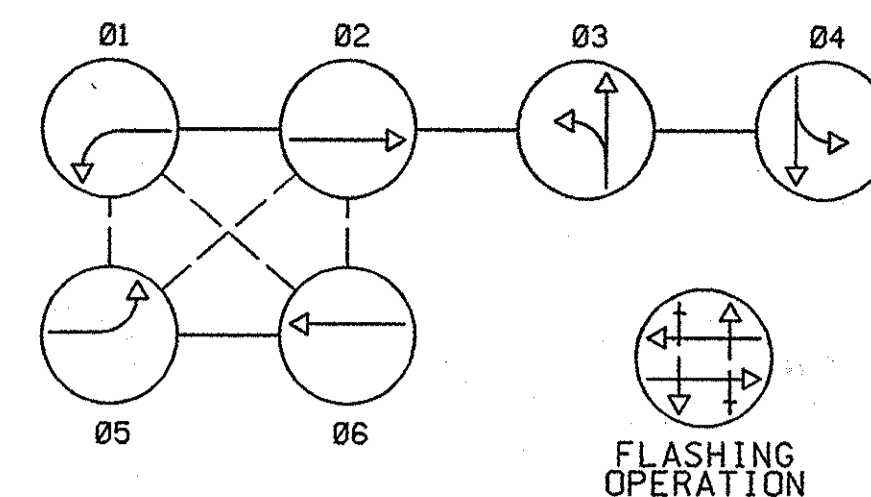
#### EXISTING SIGNS TO REMAIN



#### EXISTING SIGNALS TO REMAIN

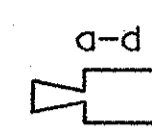


#### EXISTING NEMA PHASING

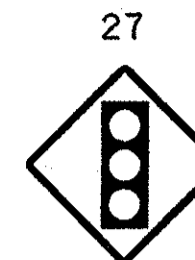


NOTE: PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

#### EXISTING VIDEO DETECTION



#### PROPOSED SIGNS



#### PROPOSED LED SIGNALS



TO SOLOMONS

EXISTING HANDHOLE IS LOCATED IN THIS AREA 150' FROM STOP LINE.

#### CONSTRUCTION DETAILS

- A. REMOVE AND DISPOSE OF EXISTING MAST ARM POLE, CABINET AND W3-3 "SIGNAL AHEAD" SIGN. REMOVE AND DISPOSE OF EXISTING CONCRETE FOUNDATION 12 INCHES BELOW GRADE.
- B. INSTALL 21 FT. STEEL POLE (60 SERIES) WITH 60 FT. MAST ARM CUT TO 50 FT., G-TYPE CABINET, VEHICULAR TRAFFIC SIGNAL HEADS, AND W3-3 SIGNAL AHEAD WARNING SIGN. (NOTE: 2-3 INCH PVC 90 DEGREE BENDS)
- C. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR UNDERGROUND POWER SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A ONE FOOT STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
- D. INSTALL METERED SERVICE PEDESTAL. (NOTE: 1-3 INCH AND 1-4 INCH PVC 90 DEGREE BENDS)
- E. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
- F. CONSTRUCT 3 FOOT X 4 FOOT X 5 INCH CONCRETE PAD ADJACENT TO G-TYPE CABINET.
- G. INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) - FOR PROPOSED TELEPHONE SERVICE. CAP AND MARK CONDUIT, AND LEAVE A 1 FT. STUB WITH PULL STRING AT UTILITY POLE FOR USE BY OTHERS.
- H. INSTALL ELECTRICAL HANDHOLE.

LINE HEIGHTS NORTHWEST CORNER (LH)	
PRIMARY	50'-0" 49'-0"
SECONDARY	39'-11" 38'-2"
PHONE	26'-10" 24'-3"
GUY	25'-7" 20'-0"
PHONE	25'-0" 19'-5"

SPECIAL NOTE: SMECO TO RELOCATE UTILITIES SUCH THAT NO CONFLICTS WILL OCCUR WITH PROPOSED TRAFFIC SIGNAL EQUIPMENT.

#### NOTE:

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF THE SIGNATURES. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME, THESE PLANS SHALL BE NULL AND VOID. AFTER 1 YEAR, PLANS MUST BE RESUBMITTED TO THE SHA TRAFFIC ENGINEERING DESIGN DIVISION FOR REVIEW.

EAPD PERMIT NO. \_\_\_\_\_

APPROVAL: *[Signature]* 5/7/2008  
1 REDLINE REVISION NO. 1  
4/29/2008

#### GEOMETRIC LEGEND



APPROVALS	REVISIONS
TEAM LEADER	(C) RELOCATE SB L&B DUE TO ROADWAY WIDENING SHA NO. 189990482
ASST. DIR. CHIEF	1 RELOCATE TRAFFIC SIGNAL DUE TO INTERSECTION IMPROVEMENTS SHA NO. 189990482
DIVISION CHIEF	2 UPGRADE DETECTION SHA NO. 189990482
OFFICE DIRECTOR	

SHA

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 2-4 (SOLOMONS ISLAND ROAD) AT  
STOAKLEY ROAD/HOSPITAL ROAD

#### TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE APRIL 1988 CONTRACT NO. G-319X-000-585

DESIGNED BY ROBERT LIGON	COUNTY CALVERT
DRAWN BY	LOGMILE 04000220.20
CHECKED BY ROBERT LIGON	T.I.M.S. NO. 1622
F.A.P. NO. NA	TOD NO.
DRAWING NO. TS-1260K	SHEET NO. 1 OF 2

PLOTTED: Thursday, May 01, 2008 AT 03:40 PM  
FILE: E:\MD2-4\RedLine\PS3-P000\_MD2-4.dgn